

Memorandum of Collection.

August 18th, 1853 Lat 1° 06' South Long 26° 30' West
Caught in haulings in the Lag line.

A substance 5 3/4 inches long

1 1/2 inches broad at one end & 1 inch at the other

(No 1) About the middle there appeared to be an irregular hole, and from that the larger extremity, a groove-like indentation.

The whole outside covered with crystalline points from which appeared to be emitted, the brilliant phosphorescent light that it shone.

H. K. Stevens

August 28th, 1853. Lat 28° 29' S. Long 16° 30' W
Caught in net.

(No 2) A great many globular substances, somewhat resembling spawn, these appeared to be a thin membrane containing liquid, and in the membrane small specks. Some brown in others red, others again blue.

These on being put into a glass jar, and stoned up at night shone like sparks of fire.

H. K. Stevens

Lat 28° 09' S Long 16° 30' W.

(No 3) Almost calm water very smooth.

A great many marine animals about.
Caught one with a great many legs or arms; the unexpanded or almost made up of oblong pouches, which kept contracting & opening, many of these ^{projecting} ~~had~~ small bladders filled with air attached. The extremities and one of the bladders at the extremity of the body. They had the power of moving with a great deal of rapidity. The colour was a beau-
tiful pink. H. K. Stevens

(No 4) Two little shells - caught by Mr. Chilton.

Sep 8th Lat 34° 25' S Long 1° 12' East
(No. 5) Squid found on board in the morning

Sep 13th Lat 35° 22' S. Long 12° 58' East

A marine animal about 5 inches long by $\frac{3}{4}$ in in diameter. Seemed to be a sack with a mouth that could be closed or opened at will.

When caught had the mouth open & interior filled with water. Around the mouth were small purple spots.

(No. 6) The whole exterior covered with points irregularly placed, rising from bases about $\frac{1}{2}$ in in diam. and being $\frac{3}{4}$ in long, the most of them bent or hooked at the ends. The colour a bluish white, when not emitting light. But when seen in the wake or when floating some distance from the vessel on top of the water, showing a steady bright light. The light was suddenly emitted at will, for on being caught and allowed to remain in the net a few minutes it all disappeared, and then shone out again, gradually becoming brighter until the whole body glowed with a brilliant white light.

On putting them into a bucket of water, the light disappeared again, but by touching only one of the points it became lighted up and then the light gradually spread until the whole was illuminated as before.

A slight agitation of the water also was sufficient also to produce the same effect.

D. R. Stevens

17 Bid shot Sep 13th Lat 34° 25' S Long 1° 12' East

D. R. Stevens



Mr. Stevens
Collection
Lieut. Col. H. W. Stevens
Report on his collection
up to September 1853.